⊙ ip.com™ **IP.com PriorArtDatabase**

Secur

October 25, 2007 USPTO

Search

| Full Text |
| Concept |
| Document ID |
| Recent Disclosures |

Other

| Prior Art Home |
| Support |
| Logout |

Displaying records #1 through 10 out of 23

Result # 1 Relevance: ◌◌◌◌◌

Asynchronous Progressive Transaction Recovery Protocol for Distribu Systems

1987-05-01 IPCOM000039277D English

This invention describes an asynchronous transaction recovery protocol that coordinate communications between different subsystems with execution in distributed DB/DC sys the increasing requirements for high availability, online transaction processing systems

---

Result # 2 Relevance: ◌◌◌◌◌

Early Commit Scheme for Multi-System Data Sharing Using Write Com

1987-11-01 IPCOM000040356D English

, This invention is a method for early commit transactions in a multi-system data-sharinç that allows for the early release of resources used by the transaction and also the optin deferred write and notification-on-conflict. Database integrity is ...

Result # 3 Relevance: ◌◌◌◌◌

A NORMAL FORM FOR ABSTRACT SYNTAX

1978-07-31 IPCOM000152045D English

A NORMAL FORM FOR ABSTRACT SYNTAX by John Miles Smith UUCS 78 106 July 1978 Smith University of Utah Abstract McCarthyls abstract syntax is the most widely used n for specifying data structure. It is embedded in various forms in mst ...

Result # 4 Relevance: ◌◌◌◌

Macro/ Cell Compiler Custom Realization for Disjoint or Integrated Lo Physical Design Databases

1991-09-01 IPCOM000121681D English

Many of today's silicon compilers (cell or macro) are based on common design databası both the logic and physical design data are shared. The advantages of utilizing commor are many, the most significant being the generation of physical data, i.e., that ...

Result # 5 Relevance: ◌◌◌

Application Service Portal for Multi-Company, Multi-Service Offerings

2001-04-14 IPCOM000013993D English

Disclosed is a system to improve supply chain (trading partner) communications and dɛ affordable pricing for all companies in a trading environment. The internet has providec capability to link trading partners using a common standard for delivery. In ...

Result # 6 Relevance: ◌◌

Sigterm Signal Handler for the OS/2 Database Manager

1991-12-01 IPCOM000122610D English

A method is described which will insure that the OS/2* Database Manager (DBM) is in ɛ when a program terminate signal is generated by an application using the DBM. Backgr

---

Result # 7 Relevance: ◌◌

Extensions to RIP to Support Demand Circuits (RFC1582)

1994-02-01   IPCOM000002416D   English

Running routing protocols on connection oriented Public Data Networks, for example X.
switched networks or ISDN, can be expensive if the standard form of periodic broadcas
information is adhered to. The high cost arises because a connection has to ...

Result # 8   Relevance: ⟡⟡

NOTES ON DISTRIBUTED DATABASES

1979-07-14   IPCOM000149869D   English

B. G. Lindsay P. G. Selinger C. Galtieri J. N. Gray R. A. Lorie T. G. Price F. Putzolu B. W
Research Laboratory San Jose, California 95193 ABSTRACT: This paper is a set of note:
subjects in singlesite and distributed database management ...

Result # 9   Relevance: ⟡⟡

Improved Recovery from Partial Page Writes of Data Pages

1993-05-01   IPCOM000104589D   English

Disclosed is a method to allow database crash recovery after a partial page write to a d
to a power failure, for example) when the page has not been reorganized for data com|

Result # 10   Relevance: ⟡⟡

Method to Obtain Status Information on a Logic Model Under Simulati

1989-12-01   . IPCOM000037220D   English

This technique of collecting simulation data allows accurate progress and current status
obtained. The data is the result of software simulation on logic that is modeled exactly
This information is required to accurately project the quality of ...

Displaying page 1 of 3   << FIRST | < BACK | NEXT > | LAST >>

Search query: database integrity

Published Before: 7-7-2003 (Original publication date)

New search | Modify this search | Search within current results

IP.com
PriorArtDatabase

October 25, 2007   USPTO

Secur

Search

| Full Text |
| Concept |
| Document ID |
| Recent Disclosures |

Other

| Prior Art Home |
| Support |
| Logout |

Displaying records #11 through 20 out of 23

Result # 11   Relevance: ○○.

Ignore Code Page Option for Relational Database Import Utility

1989-09-01   IPCOM000036154D   English

Disclosed is a semantic definition of a relational database import utility option which pre type integrity while allowing import of character data despite code page inequalities.

Result # 12   Relevance: ○○

What Can Be Automated?: The Computer Science and Engineering Res Study (COSERS)

1980-01-01   IPCOM000128748D   English

It is truly difficult to capture with a single question the essence of research in a diverse active area of science and technology, but the query in the title comes very close. This first posed by the late Professor George Forsythe of Stanford ...

Result # 13   Relevance: ○○

Data-Base Systems

1978-09-01   IPCOM000131235D   English

Data-base management is already a mature technology. The 80's will see improvement usability, integrity, and efficiency. Early in the history of computer systems, business re computers could lower the cost and improve the accuracy of business data ...

Result # 14   Relevance: ○○

AUTOMATED DEDUCTION IN DATABASES WITH INCOMPLETE INFORM

1986-03-31   IPCOM000150375D   English

Department of Computer ScienceHill Center for the Mathematical Sciences Busch Camp University New Brunswick, NJ (38903 I~esearch supported by NSF grant DCR 85-0414(from Institute of Computer Science, Polish Academy of Sciences, Warsaw 00-901, ...

Result # 15   Relevance: ○○

THE CODASYL DATABASE MANAGEMENT SYSTEMS

1976-03-30   IPCOM000148711D   English

RJ 1755 (#25563) THE CODASYL DATABASE MANAGEMENT SYSTEMS March 30, 1976 (Science Robert W, Taylor IBM Research Laboratory San Jose, California 95193Randall L FrankComputer Science DepartmentUniversity of UtahSalt Lake City, Utah 84112ABSTF paper ...

Result # 16   Relevance: ○○

A RELATIONAL DATABASE MACHINE ANALYSIS AND DESIGN

1983-04-30   IPCOM000151636D   English

t THE UNTVERSIm OF MICHIGAN COMPUTING RESEARCH LABORATORY~ A RELATIONA PdACHINE ANALYSIS AND DZSIGN Under the Direction of Professor Keki B. Irani Room Engineering Edding Ann Arbor, Michigan 48109 USATel: (313) 763-8000 I '~hrs ...

Result # 17   Relevance: ○○

ON DATABASE MANAGEMENT SYSTEM ARCHITECTURE

1899-12-30   IPCOM000149076D   English

ON DW.TABASE MANAGEMENT SVSTHSM ARCHITECTURE Michael HammerMIT Laborat‹ Computcr Science 545 Technology Square Cambridge, MA 021139 Dennis McLeodComꝑ Depar:rnetat U nlversity of Souithergl Ca lafornia Los Angeles, CA 90007 ABSTRACT: D

Result # 18   Relevance: ⵔⵔ

A SURVEY OF DEVELOPMENTS IN DISTRIBUTED DATA BASE MANAGEᴺ SYSTEMS

1978-02-01   IPCOM000131271D   English

Distributed data base classification Development of a completely general distributed da management system must evolve through several less complex forms (see table). It bɛ base management systems for single, general-purpose computers, the development of

---

Result # 19   Relevance: ⵔⵔ ⵔ

Internet Registry IP Allocation Guidelines (RFC2050)

1996-11-01   IPCOM000002601D   English

This document describes the registry system for the distribution of globally unique Inte space and registry operations. Particularly this document describes the rules and guidel the distribution of this address space.

Result # 20   Relevance: ⵔⵔ

The Deadlock Problem: An Overview

1980-09-01   IPCOM000131458D   English

*Now at Bell Northern Research, Ottawa. Deadlock is a constant threat in terminal-orie This comprehensive study of deadlock-handling techniques introduces a method for on‐ in distributed data bases. Modern multiprogramming systems are ...

Search query: database integrity

Published Before: 7-7-2003 (Original publication date)

New search | Modify this search | Search within current results

October 25, 2007   USPTO

Search

| Full Text |
| Concept |
| Document ID |
| Recent Disclosures |

Other

| Prior Art Home |
| Support |
| Logout |

Displaying records #21 through 23 out of 23

Result # 21   Relevance: ⬤⬤

Two-Level Locking Protocol to Reduce Intersystem Communications

1990-08-01   IPCOM000101674D   English

A technique is described whereby a two-level locking protocol provides a means of lock unlocking requests for data among computer systems. The two-level protocol provides ·response time and reduces the communications overhead between multiple systems.

Result # 22   Relevance: ⬤⬤

General Two-Level Locking Protocol for Multiple Computer Systems

1990-08-01   IPCOM000101670D   English

A technique is described whereby a general two-level locking protocol provides a mean: and unlocking requests for data among computer systems. The two-level protocol provi of reducing the average lock response time, as compared to a single-level ...

Result # 23   Relevance: ⬤⬤

RELATIVE KNOWLEDGE IN A DISTRIBUTED DATABASE

1986-10-31   IPCOM000150384D   English

Tomasz Imielinskil Department of Computer Science Rutgers University Let DB be a dai ul, ..., un be a collection of users each having at his or her disposal a query sublanguac these users knows only as much as he can i learn from the ...

Displaying page 3 of 3   << FIRST | < BACK | NEXT > | LAST >>

     Search query: database integrity

Published Before: 7-7-2003 (Original publication date)

New search | Modify this search | Search within current results

Search

| Full Text |
| Concept |
| Document ID |
| Recent Disclosures |

Other

| Prior Art Home |
| Support |
| Logout |

No records matched your search.

Perhaps you should try a less restrictive query.

Search query: database integrity compression
Published Before: 7-7-2003 (Original publication date)

New search | Modify this search

ᴸ Google

database integrity		Search	Advanced Search
			Preferences

Web   Books   Results **1 - 10** of about **12,000,000** for <u>database integrity</u>. (**0.19** seconds)

<u>Database integrity - Wikipedia, the free encyclopedia</u>
Database Integrity is to ensure that data entered in the **database** is accurate and valid.
This means that if there is any rule applied to any entity, ...
en.wikipedia.org/wiki/**Database_integrity** - 17k - <u>Cached</u> - <u>Similar pages</u>

<u>The **Integrity** in Science **Database** ~ **Integrity** in Science ~ CSPI</u>
The **Integrity** in Science project seeks to safeguard science and the public welfare from the
corruptive effects of industry's influence.
www.cspinet.org/**integrity**/ - 40k - <u>Cached</u> - <u>Similar</u> pages

<u>Introduction to **Database-Integrity** Concepts: LIS 384K.11, **Database** ...</u>
I prefer to think of referential **integrity** as a property that applies (or fails to apply) to a
database as a whole. In this sense, referential **integrity** ...
www.gslis.utexas.edu/~wyllys/DMPAMaterials/**integrity**.html - 4k - <u>Cached</u> - Similar pages

<u>Oracle **Database Integrity** and the Human Experience</u>
Database integrity is the thread that holds **database** objects together to satisfy business
objectives and rules. It is unfortunate that data **integrity** ...
blogs.ittoolbox.com/**database**/solutions/archives/oracle-**database-integrity**-and-the-
human-6746 - 62k - <u>Cached</u> - <u>Similar pages</u>

<u>DBA Call to Action: Oracle **Database Integrity**</u>
James Koopmann offers a refresher on **database integrity**, and why it's important.
www.**database**journal.com/features/oracle/article.php/3083291 - 102k -
<u>Cached</u> - <u>Similar pages</u>

[PPT] **Database Integrity**
File Format: Microsoft Powerpoint - <u>View as HTML</u>
Database Integrity. CONSISTENCY. Implies that the data held in the tables of the
database is consistent in terms of the Relational Data Model ...
hamilton.bell.ac.uk/db1/lecture10.ppt - <u>Similar pages</u>

<u>Ensure data **integrity** with proper **database** design</u>
Data is the backbone of application development, so data accuracy is imperative. Take
advantage of referential **integrity** to protect your **database** from ...
search.techrepublic.com.com/404.php?page=5100-6388-5034793 - 56k -
<u>Cached</u> - <u>Similar pages</u>

<u>Database integrity - Google Books Result</u>
by Jorge H. Doorn, Laura C. Rivero
... **database** d relational model primary key referential **integrity** relevant ... 'rule null values
database integrity idea group unknown information group ...
books.google.com/books?isbn=1930708386...

<u>Agilent | RNA **Integrity Database**</u>
The RNA **Integrity database** (RINdb) is a freely accessible collection of records containing
electropherograms, RIN and other sample metadata.
www.chem.agilent.com/RIN/ - 21k - <u>Cached</u> - <u>Similar pages</u>

S 2.130 Ensuring the **integrity** of a **database** - IT Grundschutz ...
This involves the avoidance of semantic errors and semantically inconsistent **database**
states through the observance and monitoring of **database integrity** ...
www.bsi.bund.de/english/gshb/manual/s/s02130.htm - 12k - Cached - Similar pages

Download Google Pack: free essential software for your PC

| database integrity | Search |

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

---

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Google

| database integrity md5 crc32 2002 | past year ▼ | Search | Advanced Preferenc |

Web Results **1 - 10** of about **116,000** over the **past year** for <u>database **integrity** md5 crc32 2002</u>. (0.13 seconds)

Download Document Integrity Software Document Trace Remover ...
Utility for protecting the **Integrity** and verifying the accuracy of data files using checksum (message digest, hash) calculation algorithms like **CRC32, MD5, ...**
www.filebuzz.com/files/document_integrity/1.html - 72k - Cached - Similar pages

checksum Resources on TechRepublic
... the **integrity** and verifying the accuracy of data files using checksum (message digest, hash) calculation algorithms like **CRC32, MD5**, SHA-1 and more. ...
search.techrepublic.com.com/search/checksum.html - 42k - Cached - Similar pages

SHA-1 and XML Resources on TechRepublic
Its will allow to easily and quickly verify **integrity** of files downloaded ... Supported hash / CRC formats: **CRC32**, MD2, MD4, **MD5**, SHA-1, SHA-224, SHA-256, ...
search.techrepublic.com.com/search/SHA-1+and+XML.html - 44k - Cached - Similar pages

.md5 free downloads
2.51, 26 Oct 2004 new. Fast file **integrity** checker. **MD5**/SFV support. .... ultra secure password, user name, key code (or whatever text you wish) **database**. ...
www.download3000.com/.md5-downloads.html - 74k - Cached - Similar pages

Freeware Download: Hash Tool
Pinpoint Hash was created to allow users to quickly obtain the hash values for **CRC-32, MD5**, SHA-1 and SHA-256 hash values for any file and quickly copy the ...
www.dirfile.com/freeware/hash-tool.htm - 77k - Cached - Similar pages

Validate: Definition and additional resources from ZDNet
However, with regard to proper names, if there is no existing **database** to compare ... **CRC32,MD5**,validate,files,checksum,hash: Tags: CD: Software downloads ...
dictionary.zdnet.com/definition/validate.html - 51k - Cached - Similar pages

Check md5 sum utility Free Download
Fast file **integrity** checker. Supports 13 hash/checksum functions, **MD5**/SFV files ... Unicode-enabled checksum tool for comparing files using **CRC32, MD5**, SHA1 ...
www.brothersoft.com/downloads/check-**md5**-sum-utility.html - 21k - Cached - Similar pages

Passwords MD5 MD4 SHA-1 MySQL hashes recovery keep Free Download
Fast file **integrity** checker. Supports 13 hash/checksum functions, **MD5**/SFV ... Iside is a message digest computing and displaying tool (**MD5**,SHA1, **CRC32**,...) ...
www.brothersoft.com/downloads/passwords-**md5**-md4-sha_1-mysql-hashes-recovery-keep.html - 20k - Cached - Similar pages

afick.conf(5): config file for afick program - Linux man page
database := /var/lib/afick/afick: define the path to **database**; All= a+b+c+d+g+i+m+**md5**+n+p+u+s: defines the alias "All", from base attributes (could be done ...
linux.die.net/man/5/afick.conf - 13k - Cached - Similar pages

Verify data free software - ICE ECC, ZIP Pointer, abylon READER...
MD5 Checksum Verifier is files **integrity** checker based on the time ... July 27, **2002** ...

-hash) calculation algorithms like **CRC32**, **MD5**, SHA-1 and more. ...
www.giveawayoftheday.com/freeware/verify_data_download.shtml - 84k -
Cached - Similar pages

1 2 3 4 5 6 7 8 9 10   **Next**

Download Google Pack: free essential software for your PC

| database integrity md5 crc32 2002 | | Search |

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

---

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

Google

| database integrity md5 2002 | | past year | ☑ | **Search** | Advanced Preferenc |

Web   Results **1** - **10** of about **232,000** over the **past year** for database integrity md5 2002. (0.16 seconds)

InformIT: Even Nastier: Traditional RootKits > Defending Against ...
Tripwire is a wonderful file **integrity**-checking tool originally written by Gene Spafford and
Gene Kim of Purdue University. Tripwire generates **MD5** hashes of ...
www.informit.com/articles/article.aspx?p=23463&seqNum=3 - 36k - Cached - Similar pages

InformIT: Securing the Sun Fire™15K System Controller ...
Due to the sensitivity of the operations being performed by the **md5** programs ... the Solaris
Fingerprint **Database** can be used to verify the **integrity** of the ...
www.informit.com/articles/article.aspx?p=25492&seqNum=11 - 67k -
Cached - Similar pages

National Vulnerability **Database** - SecurityLab
CVE-**2002**-0703. An interaction between the Perl **MD5** module ... which could prevent a
system from properly verifying the **integrity** of the data. 26 july, **2002** ...
en.securitylab.ru/nvd/page1_325.php - 99k - Cached - Similar pages

Download Document **Integrity** Software Document Trace Remover ...
MD5 Checksum Verifier **MD5** Checksum Verifier is files **Integrity** checker based on the
time .... searchable **database** of your paper and electronic Documents. ...
www.filebuzz.com/files/document_integrity/1.html - 72k - Cached - Similar pages

Download **Md5** Software EDCrypt, Winalysis and Others at FileBuzz
Comprehensive SFV and **MD5** checksum utility for Windows. The handy and fast utility for
protecting the **integrity** of files. It will allow you to verify the ...
www.filebuzz.com/files/md5/1.html - 58k - Cached - Similar pages
[More results from www.filebuzz.com]

Security | League of Professional System Administrators
Tue, **2002**-12-31 10:00. Long Description:. FastSum is an extremely fast **MD5** hash utility
for your file **integrity** control. The high accuracy and speed attains ...
lopsa.org/taxonomy_menu/13/143?from=10 - 24k - Cached - Similar pages

DiVA Test **Database**: 2057 - Studies of Nuclear Fuel by Means of ...
Defence:, **2002**-05-24, Room 2001, Ångström Laboratory, Uppsala, 14:00, English ...
Verification of **integrity** is shown to be possible on an individual fuel ...
www.diva-portal.org/demo/theses/abstract.xsql?dbid=2057 - Similar pages

[PDF] The Solaris Fingerprint **Database**
File Format: PDF/Adobe Acrobat - View as HTML
The Solaris Fingerprint **Database** can be used to verify the **integrity** of the executables
included in. the package itself. In addition, the **MD5** fingerprints ...
www.sun.com/blueprints/0306/816-1148.pdf - Similar pages

MD5 Resources on TechRepublic
Verify **integrity** with MD5deep: For those gui inclinedFor those with a gui affliction, ...
articles **2002**-07-30; PHP and MySQL password change form with **MD5** ...
search.techrepublic.com.com/search/MD5.html - 47k - Cached - Similar pages

Koders Search: **md5**

· package net.wastl.webmail.misc; /* * $Header: /cvsroot/jwebmail/jwebmail-0.8/ src/net/wastl/webmail/misc/**MD5**.java,v 1.1.1.1 **2002**/10/12 22:03:24 wastl Exp ... www.koders.com/Default.aspx?s=**md5**&la=*&li=*&pp=5 - <u>Similar pages</u>

1 <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>   · **Next**

Try <u>Google Desktop</u>: search your computer as easily as you search the web.

database integrity md5 crc32 2002 | Search |

<u>Search within results</u> | <u>Language Tools</u> | <u>Search Tips</u> | <u>Dissatisfied? Help us improve</u>

©2007 Google - <u>Google Home</u> - <u>Advertising Programs</u> - <u>Business Solutions</u> - <u>About Google</u>

Google

unisys integrity database compression | | Search | Advanced Search
Preferences

Web   Results **1 - 10** of about **35,100** for **unisys** integrity database compression. (**0.11** seconds)

SIM: a database system based on the semantic data model
B. L. Fritchman, **Unisys** Corporation, Irvine, CA .... Data structures for quadtree
approximation and **compression** Communications of the ACM 28, 9 Hanan Samet ...
portal.acm.org/citation.cfm?id=50207&
dl=GUIDE&coll=GUIDE&CFID=39842727&CFTOKEN=75321959 - Similar pages

SIM: a database system based on the semantic data model
B. L. Fritchman, **Unisys** Corporation, Irvine, CA. R. L. Guck, **Unisys** Corporation, Irvine,
CA .... Data structures for quadtree approximation and **compression** ...
portal.acm.org/citation.cfm?id=971701.50207 - Similar pages
[More results from portal.acm.org]

[PDF] SOLUTION BLUEPRINT .
File Format: PDF/Adobe Acrobat - View as HTML
information **integrity** and availability, as well as be more adaptable to ... The SQL Server
Database Consolidation Solution from **Unisys** helps ...
www.**unisys**.com/.../main/admin/corporate/doc/
ES7000_Microsoft_SQL_Server_**Database**_Consolidation_Blueprint.pdf - Similar pages

Unisys Simplifies Enterprise Database Server Deployment
Unisys Database Server solutions have grown out of the company's .... Shrink Your
Database Using Row **Compression** | WhatsUp Gold v11 Demo: Discovery, ...
www.**database**journal.com/news/article.php/1489991 - 103k - Cached - Similar pages

[PDF] White Paper
File Format: PDF/Adobe Acrobat - View as HTML
Create customer **database** and configure for high availability. Testing Overview. Upon
completion of system configuration, testing began at the **Unisys** / ...
www.oracle.com/technology/tech/windows/
failsafe/pdf/**unisys**safeguard30moraclefailsafe.pdf - Similar pages

[PDF] Automatic Sentence **Compression**
File Format: PDF/Adobe Acrobat - View as HTML
finally the **integrity database** must be a part the enforced by the ... the scamp module ,
designed and built by **unisys** and based on an intel process , ...
www.dcs.shef.ac.uk/intranet/teaching/projects/archive/msc2004/pdf/m3rd.pdf -
Similar pages

Performance and **database** and environment Resources on TechRepublic
DB2 9 Row **Compression** in a SAP R/3 Production System: **Compression** Attributes ...
with Oracle **Database** Server 10g R2 (10gR2) on a single HP **Integrity** rx8640 ...
search.techrepublic.com.com/search/Performance+and+**database**+and+environment.html -
72k - Cached - Similar pages

Database and environment and performance Resources on TechRepublic
Read this paper for information on the effects of **compression** of large ... with Oracle
Database Server 10g R2 (10gR2) on a single HP **Integrity** rx8640 server ...
search.techrepublic.com.com/search/**Database**+and+environment+and+performance.html -
68k - Cached - Similar pages
[More results from search.techrepublic.com.com]

[PDF] The **Unisys** SafeGuard 30m Solution for Microsoft Exchange
File Format: PDF/Adobe Acrobat - View as HTML
-to disk, check its **integrity**, and eventually write the snapshot ...... can be reduced by
compression and **database** schema modifications can be replicated ...
www.**unisys**.ch/eprise/main/admin/country/doc/ch/White_Papers_on_SafeGuard.pdf -
Similar pages

IBM transforms **database** market with introduction of DB2 'Viper ...
Venom storage **compression** — allows **database** administrators (DBAs) to use row ....
Unisys to provide managed services supporting Minneapolis 911 emergency ...
www.enterprisenetworksandservers.com/monthly/art.php?2349 - 34k -
Cached - Similar pages

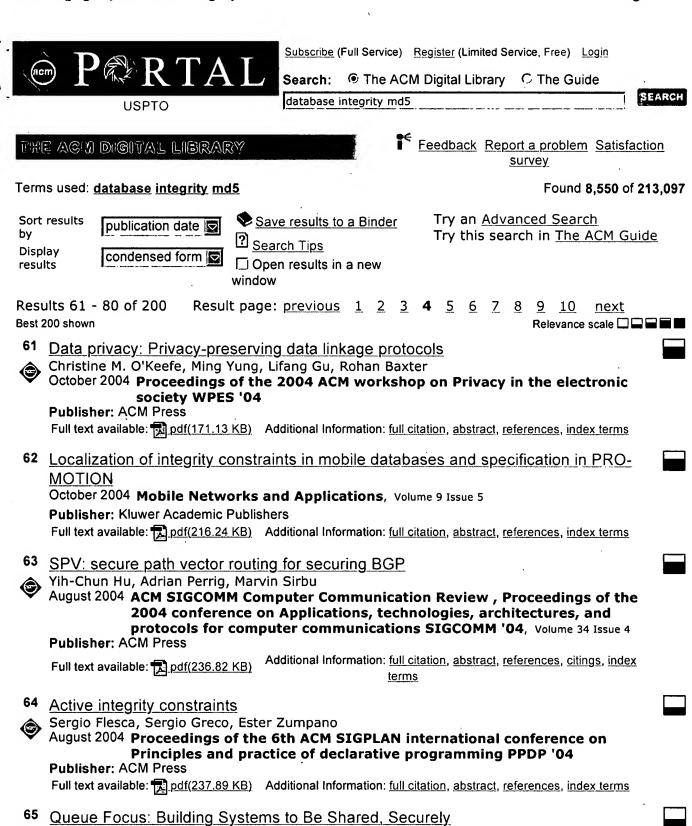**1** 2 3 4 5 6 7 8 9 10   **Next**

Download Google Pack: free essential software for your PC

_____

    | unisys integrity database compressi | Search |

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve
_____

©2007 Google - Google Home - Advertising Programs - Business Solutions - About Google

P⊘RTAL

USPTO

Search: ⊙ The ACM Digital Library   ○ The Guide

database integrity md5

SEARCH

THE ACM DIGITAL LIBRARY

ı̇́ᵉ Feedback Report a problem Satisfaction survey

Terms used: **database integrity md5**   Found **8,550** of **213,097**

Sort results by   publication date ▣   ◆ Save results to a Binder   Try an Advanced Search

Display results   condensed form ▣   ? Search Tips   Try this search in The ACM Guide

☐ Open results in a new window

Results 61 - 80 of 200   Result page: previous   1   2   3   **4**   5   6   7   8   9   10   next
Best 200 shown   Relevance scale ☐◩◩▣■

61 Data privacy: Privacy-preserving data linkage protocols   ◩
Christine M. O'Keefe, Ming Yung, Lifang Gu, Rohan Baxter
October 2004 **Proceedings of the 2004 ACM workshop on Privacy in the electronic society WPES '04**
Publisher: ACM Press
Full text available: ⬛ pdf(171.13 KB)   Additional Information: full citation, abstract, references, index terms

62 Localization of integrity constraints in mobile databases and specification in PRO-   ◩
MOTION
October 2004 **Mobile Networks and Applications**, Volume 9 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: ⬛ pdf(216.24 KB)   Additional Information: full citation, abstract, references, index terms

63 SPV: secure path vector routing for securing BGP   ■
Yih-Chun Hu, Adrian Perrig, Marvin Sirbu
August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '04**, Volume 34 Issue 4
Publisher: ACM Press
Full text available: ⬛ pdf(236.82 KB)   Additional Information: full citation, abstract, references, citings, index terms

64 Active integrity constraints   ◩
Sergio Flesca, Sergio Greco, Ester Zumpano
August 2004 **Proceedings of the 6th ACM SIGPLAN international conference on Principles and practice of declarative programming PPDP '04**
Publisher: ACM Press
Full text available: ⬛ pdf(237.89 KB)   Additional Information: full citation, abstract, references, index terms

65 Queue Focus: Building Systems to Be Shared, Securely   ◩
Poul-Henning Kamp, Robert Watson
July 2004 **Queue**, Volume 2 Issue 5
Publisher: ACM Press
Full text available: ⬛ pdf(575.43 KB)
                      ⬛ html(41.37 KB)   Additional Information: full citation, citings, index terms

66   ◩
Letters

Linux Journal Staff
June 2004 **Linux Journal,** Volume 2004 Issue 122
Publisher: Specialized Systems Consultants, Inc.
Full text available: [⑤] html(16.82 KB)   Additional Information: full citation

---

67 Applications: Repairing return address stack for buffer overflow protection
Yong-Joon Park, Gyungho Lee
April 2004 **Proceedings of the 1st conference on Computing frontiers CF '04**
Publisher: ACM Press

Full text available: [📄] pdf(197.90 KB)   Additional Information: full citation, abstract, references, citings, index terms

---

68 Short paper: Beware of BGP attacks
Ola Nordström, Constantinos Dovrolis
April 2004 **ACM SIGCOMM Computer Communication Review,** Volume 34 Issue 2
Publisher: ACM Press

Full text available: [📄] pdf(176.68 KB)   Additional Information: full citation, abstract, references, citings

---

69 Agents, interactions, mobility, and systems (AIMS): Using mobile agents as roaming security guards to test and improve security of hosts and networks
Marco Carvalho, Thomas Cowin, Niranjan Suri, Maggie Breedy, Kenneth Ford
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**
Publisher: ACM Press

Full text available: [📄] pdf(307.45 KB)   Additional Information: full citation, abstract, references, citings, index terms

---

70 A new policy-aware terminal for QoS, AAA and mobility management
Hakima Chaouchi
March 2004 **International Journal of Network Management,** Volume 14 Issue 2
Publisher: John Wiley & Sons, Inc.

Full text available: [📄] pdf(302.42 KB)   Additional Information: full citation, abstract, references, index terms, review

---

71 Use of nested certificates for efficient, dynamic, and trust preserving public key infrastructure
Albert Levi, M. Ufuk Caglayan, Cetin K. Koc
February 2004 **ACM Transactions on Information and System Security (TISSEC),** Volume 7 Issue 1
Publisher: ACM Press

Full text available: [📄] pdf(532.64 KB)   Additional Information: full citation, abstract, references, index terms, review

---

72 Crypto-based identifiers (CBIDs): Concepts and applications
Gabriel Montenegro, Claude Castelluccia
February 2004 **ACM Transactions on Information and System Security (TISSEC),** Volume 7 Issue 1
Publisher: ACM Press

Full text available: [📄] pdf(262.76 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

---

73 Root Kits: an operating systems viewpoint
Winfried E. Kühnhauser
January 2004 **ACM SIGOPS Operating Systems Review,** Volume 38 Issue 1
Publisher: ACM Press

Full text available: [📄] pdf(1.02 MB)   Additional Information: full citation, abstract, references

74 An abstract interpretation-based framework for software watermarking

Patrick Cousot, Radhia Cousot

January 2004 **ACM SIGPLAN Notices , Proceedings of the 31st ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '04**, Volume 39 Issue 1

Publisher: ACM Press

Full text available: .pdf(171.12 KB)   Additional Information: full citation, abstract, references, citings, index terms

75 Multimedia coding and security: A flexible and scalable authentication scheme for JPEG2000 image codestreams

Cheng Peng, Robert H. Deng, Yongdong Wu, Weizhong Shao

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia MULTIMEDIA '03**

Publisher: ACM Press

Full text available: .pdf(207.02 KB)   Additional Information: full citation, abstract, references, citings, index terms

76 A secure and private system for subscription-based remote services

Pino Persiano, Ivan Visconti

November 2003 **ACM Transactions on Information and System Security (TISSEC)**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: .pdf(241.65 KB)   Additional Information: full citation, abstract, references, citings, index terms

77 Certificate-based authorization policy in a PKI environment

Mary R. Thompson, Abdelilah Essiari, Srilekha Mudumbai

November 2003 **ACM Transactions on Information and System Security (TISSEC)**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: .pdf(233.63 KB)   Additional Information: full citation, abstract, references, citings, index terms

78 Software and systems: Constructing a virtual primary key for fingerprinting relational data

Yingjiu Li, Vipin Swarup, Sushil Jajodia

October 2003 **Proceedings of the 3rd ACM workshop on Digital rights management DRM '03**

Publisher: ACM Press

Full text available: .pdf(240.49 KB)   Additional Information: full citation, abstract, references, citings, index terms

79 Security: Information system security curricula development

Ed Crowley

October 2003 **Proceedings of the 4th conference on Information technology curriculum CITC4 '03**

Publisher: ACM Press

Full text available: .pdf(191.25 KB)   Additional Information: full citation, abstract, references, citings, index terms

80 Stimulating cooperation in self-organizing mobile ad hoc networks

Levente Buttyán, Jean-Pierre Hubaux

October 2003 **Mobile Networks and Applications**, Volume 8 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: .pdf(289.70 KB)   Additional Information: full citation, abstract, references, citings, index terms

Results 61 - 80 of 200   Result page: previous   1   2   3   **4**   5   6   7   8   9   10   next

Useful downloads: ⬛ Adobe Acrobat   ⬤ QuickTime   ⬛ Windows Media Player · ⬛ Real Player

Subscribe (Full Service)   Register (Limited Service, Free)   Login

Search: ⊙ The ACM Digital Library   ○ The Guide

database integrity md5

SEARCH

THE ACM DIGITAL LIBRARY

▪⃪ Feedback Report a problem Satisfaction survey

Terms used: **database** **integrity** **md5**

Found **8,550** of **213,097**

Sort results by
publication date ▣

Display results
condensed form ▣

◆ Save results to a Binder
❓ Search Tips
☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 81 - 100 of 200   Result page: previous 1 2 3 4 **5** 6 7 8 9 10   next
Best 200 shown

Relevance scale ☐ ◰ ◰ ◼ ◼

81 Secret key distribution protocol using public key cryptography   ◼
Amit Parnerkar, Dennis Guster, Jayantha Herath
October 2003 **Journal of Computing Sciences in Colleges**, Volume 19 Issue 1
Publisher: Consortium for Computing Sciences in Colleges
Full text available: 🔺 pdf(74.93 KB)   Additional Information: full citation, abstract, references, index terms

82 Securing wireless applications: ESCORT: a decentralized and localized access   ◼
◈ control system for mobile wireless access to secured domains
Jiejun Kong, Shirshanka Das, Edward Tsai, Mario Gerla
September 2003 **Proceedings of the 2nd ACM workshop on Wireless security WiSe '03**
Publisher: ACM Press
Full text available: 🔺 pdf(401.72 KB)   Additional Information: full citation, abstract, references, cited by, index terms

83 BANANAS: an evolutionary framework for explicit and multipath routing in the   ◼
◈ internet
H. Tahilramani Kaur, S. Kalyanaraman, A. Weiss, S. Kanwar, A. Gandhi
August 2003 **ACM SIGCOMM Computer Communication Review , Proceedings of the
ACM SIGCOMM workshop on Future directions in network architecture
FDNA '03**, Volume 33 Issue 4
Publisher: ACM Press
Full text available: 🔺 pdf(585.15 KB)   Additional Information: full citation, abstract, references, citings

84 On the decidability and complexity of query answering over inconsistent and   ◼
◈ incomplete databases
Andrea Calì, Domenico Lembo, Riccardo Rosati
June 2003 **Proceedings of the twenty-second ACM SIGMOD-SIGACT-SIGART
symposium on Principles of database systems PODS '03**
Publisher: ACM Press
Full text available: 🔺 pdf(261.84 KB)   Additional Information: full citation, abstract, references, citings, index terms .

85 Resource management: A charging and rewarding scheme for packet forwarding in   ◼
◈ multi-hop cellular networks
Naouel Ben Salem, Levente Buttyán, Jean-Pierre Hubaux, Markus Jakobsson
June 2003 **Proceedings of the 4th ACM international symposium on Mobile ad hoc
networking & computing MobiHoc '03**

Publisher: ACM Press

Full text available: 📄 pdf(225.98 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

---

86 <u>Description logics for semantic query optimization in object-oriented database systems</u>

Domenico Beneventano, Sonia Bergamaschi, Claudio Sartori
March 2003 **ACM Transactions on Database Systems (TODS)**, Volume 28 Issue 1
Publisher: ACM Press

Full text available: 📄 pdf(406.56 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

---

87 <u>Discussion paper: privacy-preserving distributed queries for a clinical case research network</u>

Gunther Schadow, Shaun J. Grannis, Clement J. McDonald
December 2002 **Proceedings of the IEEE international conference on Privacy, security and data mining - Volume 14 CRPIT '14**
Publisher: Australian Computer Society, Inc.

Full text available: 📄 pdf(181.41 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

---

88 <u>Database privacy: balancing confidentiality, integrity and availability</u>

Martin S. Olivier
December 2002 **ACM SIGKDD Explorations Newsletter**, Volume 4 Issue 2
Publisher: ACM Press

Full text available: 📄 pdf(122.57 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

---

89 <u>Session 4: Web service applications: Authenticating distributed data using Web services and XML signatures</u>

Daniel J. Polivy, Roberto Tamassia
November 2002 **Proceedings of the 2002 ACM workshop on XML security XMLSEC '02**
Publisher: ACM Press

Full text available: 📄 pdf(164.09 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

---

90 <u>Session 2: secure Web services: Validating a Web service security abstraction by typing</u>

Andrew D. Gordon, Riccardo Pucella
November 2002 **Proceedings of the 2002 ACM workshop on XML security XMLSEC '02**
Publisher: ACM Press

Full text available: 📄 pdf(210.31 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

---

91 <u>Practical byzantine fault tolerance and proactive recovery</u>

Miguel Castro, Barbara Liskov
November 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4
Publisher: ACM Press

Full text available: 📄 pdf(1.63 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

---

92 <u>Computer-supported cooperative work in design: On-the-fly web content integrity check boosts users' confidence</u>

Soroush Sedaghat, Josef Pieprzyk, Ehsan Vossough
November 2002 **Communications of the ACM**, Volume 45 Issue 11
Publisher: ACM Press

Full text available: 📄 pdf(182.67 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>
📄 html(25.45 KB)

93 <u>Intrusion detection and response: MET: an experimental system for Malicious Email Tracking</u>
Manasi Bhattacharyya, Shlomo Hershkop, Eleazar Eskin
September 2002 **Proceedings of the 2002 workshop on New security paradigms NSPW '02**
Publisher: ACM Press

Full text available: 📄 pdf(790.18 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

94 <u>Watermarking relational databases</u>
Rakesh Agrawal, Jerry Kiernan
August 2002 **Proceedings of the 28th international conference on Very Large Data Bases - Volume 28 VLDB '2002**
Publisher: VLDB Endowment

Full text available: 📄 pdf(208.56 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

95 <u>Performance: Clarifying the fundamentals of HTTP</u>
Jeffery C. Mogul
May 2002 **Proceedings of the 11th international conference on World Wide Web WWW '02**
Publisher: ACM Press

Full text available: 📄 pdf(157.39 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

96 <u>On XML integrity constraints in the presence of DTDs</u>
Wenfei Fan, Leonid Libkin
May 2002 **Journal of the ACM (JACM)**, Volume 49 Issue 3
Publisher: ACM Press

Full text available: 📄 pdf(398.67 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

97 <u>An architecture for secure wide-area service discovery</u>
Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz
March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers

Full text available: 📄 pdf(365.68 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

98 <u>Remus: a security-enhanced operating system</u>
Massimo Bernaschi, Emanuele Gabrielli, Luigi V. Mancini
February 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 1
Publisher: ACM Press

Full text available: 📄 pdf(295.33 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

99 <u>Paranoid penguin: Verifying filesystem integrity with CVS</u>
Michael Rash
February 2002 **Linux Journal**, Volume 2002 Issue 94
Publisher: Specialized Systems Consultants, Inc.

Full text available: 📄 html(14.06 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

100
<u>Semantic integrity support in SQL:1999 and commercial (object-)relational database</u>

management systems
Can Türker, Michael Gertz
December 2001 **The VLDB Journal — The International Journal on Very Large Data
Bases**, Volume 10 Issue 4
Publisher: Springer-Verlag New York, Inc.
Full text available: .pdf(345.55 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>, <u>index terms</u>

Results 81 - 100 of 200   Result page: <u>previous</u>   <u>1</u>   <u>2</u>   <u>3</u>   <u>4</u>   **5**   <u>6</u>   <u>7</u>   <u>8</u>   <u>9</u>   <u>10</u>   <u>next</u>

Useful downloads: <u>Adobe Acrobat</u>   <u>QuickTime</u>   <u>Windows Media Player</u>   <u>Real Player</u>

P⊛RTAL

USPTO

Search: ⦿ The ACM Digital Library   ○ The Guide

database integrity md5

SEARCH

THE ACM DIGITAL LIBRARY

İ˂ Feedback Report a problem Satisfaction survey

Terms used: **database integrity md5**   Found **8,550** of **213,097**

Sort results by | publication date ▾ | **●** Save results to a Binder   Try an Advanced Search

Display results | condensed form ▾ | **?** Search Tips   Try this search in The ACM Guide

☐ Open results in a new window

Results 101 - 120 of 200   Result page: previous   1   2   3   4   5   **6**   7   8   9   10   next
Best 200 shown   Relevance scale ☐ ▭ ▬ ▮ ■

---

101 Mobile Code and Distributed Systems: A new approach to DNS security (DNSSEC)   ▬

◈ Giuseppe Ateniese, Stefan Mangard
November 2001 **Proceedings of the 8th ACM conference on Computer and Communications Security CCS '01**
Publisher: ACM Press
Full text available: 📄 pdf(600.56 KB) Additional Information: full citation, abstract, references, index terms

102 Role-based access control on the web   ▬

◈ Joon S. Park, Ravi Sandhu, Gail-Joon Ahn
February 2001 **ACM Transactions on Information and System Security (TISSEC),**
Volume 4 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(331.03 KB) Additional Information: full citation, abstract, references, citings, index terms, review

103 An integrity constraints driven system for updating spatial databases   ▬

◈ Alberto Belussi, Mauro Negri, Giuseppe Pelagatti
November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems GIS '00**
Publisher: ACM Press
Full text available: 📄 pdf(822.42 KB) Additional Information: full citation, abstract, index terms

104 Open-Source Intrusion Detection Tools for Linux: Armed with Linux and Open   ▬
Source tools, you can even keep an ISP secure.
Bobby S. Wen
October 2000 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: 📄 html(20.63 KB) Additional Information: full citation, references, index terms

105 Law-governed interaction: a coordination and control mechanism for heterogeneous   ▬
◈ distributed systems
Naftaly H. Minsky, Victoria Ungureanu
July 2000 **ACM Transactions on Software Engineering and Methodology (TOSEM),**
Volume 9 Issue 3
Publisher: ACM Press
Full text available: 📄 pdf(792.05 KB) Additional Information: full citation, abstract, references, citings, index terms

---

106 An architecture for distributed OASIS services
John A. Hine, Walt Yao, Jean Bacon, Ken Moody
April 2000 **IFIP/ACM International Conference on Distributed systems platforms Middleware '00**
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(290.00 KB)   Additional Information: full citation, abstract, references, citings

107 Towards a secure platform for distributed mobile object computing
Marc Lacoste
April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2
Publisher: ACM Press
Full text available: pdf(1.42 MB)   Additional Information: full citation, abstract, index terms

108 Smart packets: applying active networks to network management
Beverly Schwartz, Alden W. Jackson, W. Timothy Strayer, Wenyi Zhou, R. Dennis Rockwell, Craig Partridge
February 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 1
Publisher: ACM Press
Full text available: pdf(190.33 KB)   Additional Information: full citation, abstract, references, citings, index terms

109 Using the Red Hat Package Manager
Kirk Rafferty
January 2000 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(10.44 KB)   Additional Information: full citation, abstract, references, index terms

110 Design and implementation of a distributed virtual machine for networked computers
Emin Gün Sirer, Robert Grimm, Arthur J. Gregory, Brian N. Bershad
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5
Publisher: ACM Press
Full text available: pdf(1.62 MB)   Additional Information: full citation, abstract, references, citings, index terms

111 Separating key management from file system security
David Mazières, Michael Kaminsky, M. Frans Kaashoek, Emmett Witchel
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5
Publisher: ACM Press
Full text available: pdf(1.77 MB)   Additional Information: full citation, abstract, references, citings, index terms

112 Improving database design through the analysis of relationships
Debabrata Dey, Veda C. Storey, Terence M. Barron
December 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 4
Publisher: ACM Press
Full text available: pdf(268.35 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

113 Spatial data integrity constraints in object oriented geographic data modeling
Karla A. V. Borges, Alberto H. F. Laender, Clodoveu A. Davis
November 1999 **Proceedings of the 7th ACM international symposium on Advances in**

geographic information systems GIS '99
Publisher: ACM Press
Full text available: pdf(80.31 KB)   Additional Information: full citation, references, citings, index terms

114 A public-key based secure mobile IP
John Zao, Joshua Gahm, Gregory Troxel, Matthew Condell, Pam Helinek, Nina Yuan, Isidro Castineyra, Stephen Kent
October 1999 **Wireless Networks**, Volume 5 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(255.65 KB)   Additional Information: full citation, references, citings, index terms

115 An architecture for a secure service discovery service
Steven E. Czerwinski, Ben Y. Zhao, Todd D. Hodes, Anthony D. Joseph, Randy H. Katz
August 1999 **Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking MobiCom '99**
Publisher: ACM Press
Full text available: pdf(1.47 MB)   Additional Information: full citation, references, citings, index terms

116 A prototype implementation of archival Intermemory
Yuan Chen, Jan Edler, Andrew Goldberg, Allan Gottlieb, Sumeet Sobti, Peter Yianilos
August 1999 **Proceedings of the fourth ACM conference on Digital libraries DL '99**
Publisher: ACM Press
Full text available: pdf(287.78 KB)   Additional Information: full citation, references, citings, index terms

117 Robust FPGA intellectual property protection through multiple small watermarks
John Lach, William H. Mangione-Smith, Miodrag Potkonjak
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation DAC '99**
Publisher: ACM Press
Full text available: pdf(119.08 KB)   Additional Information: full citation, references, citings, index terms

118 Consistent query answers in inconsistent databases
Marcelo Arenas, Leopoldo Bertossi, Jan Chomicki
May 1999 **Proceedings of the eighteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '99**
Publisher: ACM Press
Full text available: pdf(1.26 MB)   Additional Information: full citation, references, citings, index terms

119 An integrated information system on the Web for catchment management
Kenny Taylor, Mark Cameron, Jason Haines
November 1998 **Proceedings of the 6th ACM international symposium on Advances in geographic information systems GIS '98**
Publisher: ACM Press
Full text available: pdf(730.11 KB)   Additional Information: full citation, references, citings, index terms

120 The design, implementation and operation of an email pseudonym server
David Mazières, M. Frans Kaashoek
November 1998 **Proceedings of the 5th ACM conference on Computer and communications security CCS '98**
Publisher: ACM Press
Full text available: pdf(1.29 MB)   Additional Information: full citation, references, citings, index terms

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

PØRTAL
USPTO

Search: ◉ The ACM Digital Library   ○ The Guide

database integrity compression

SEARCH

THE ACM DIGITAL LIBRARY

•< Feedback   Report a problem   Satisfaction survey

Terms used: **database integrity compression**   Found **13,615** of **213,097**

Sort results by: publication date ▼

Display results: expanded form ▼

❧ Save results to a Binder

❓ Search Tips

☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 81 - 100 of 200   Result page: previous 1 2 3 4 **5** 6 7 8 9 10   next
Best 200 shown   Relevance scale ☐ ◲ ◲ ◼ ◼

81 A low-bandwidth network file system

Athicha Muthitacharoen, Benjie Chen, David Mazières

October 2001 **ACM SIGOPS Operating Systems Review , Proceedings of the eighteenth ACM symposium on Operating systems principles SOSP '01**, Volume 35 Issue 5

Publisher: ACM Press

Full text available: 🔲 pdf(1.29 MB)   Additional Information: full citation, abstract, references, citings, index terms

Users rarely consider running network file systems over slow or wide-area networks, as the performance would be unacceptable and the bandwidth consumption too high. Nonetheless, efficient remote file access would often be desirable over such networks--- particularly when high latency makes remote login sessions unresponsive. Rather than run interactive programs such as editors remotely, users could run the programs locally and manipulate remote files through the file system. To do so, however, wo ...

82 PicoDBMS: Scaling down database techniques for the smartcard

Philippe Pucheral, Luc Bouganim, Patrick Valduriez, Christophe Bobineau

September 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 10 Issue 2-3

Publisher: Springer-Verlag New York, Inc.

Full text available: 🔲 pdf(259.03 KB)   Additional Information: full citation, abstract, citings, index terms

Smartcards are the most secure portable computing device today. They have been used successfully in applications involving money, and proprietary and personal data (such as banking, healthcare, insurance, etc.). As smartcards get more powerful (with 32-bit CPU and more than 1 MB of stable memory in the next versions) and become multi- application, the need for database management arises. However, smartcards have severe hardware limitations (very slow write, very little RAM, constrained stable mem ...

Keywords: Atomicity, Durability, Execution model, PicoDBMS, Query optimization, Smartcard applications, Storage model

83 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: 🔲 pdf(613.63 KB)   Additional Information: full citation, references, citings, index terms

html(2.78 KB)

84 Integrated multimedia medical data agent in E-health

Jinman Kim, David Dagan Feng, Tom Weidong Cai, Stefan Eberl

May 2001 **Proceedings of the Pan-Sydney area workshop on Visual information processing - Volume 11 VIP '01**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(312.15 KB)   Additional Information: full citation, abstract, references, index terms

E-Health is producing a great impact in the field of information distribution of the health services to the intra-hospital and the public. Previous research have addressed the development of system architectures in the aim of integrating the distributed and heterogeneous medical information systems. The easing of difficulties in the sharing and management of medical data and the timely accessibility to these data is a critical need for health care providers. We have proposed a client-server agen ...

Keywords: E-health, XML, XSLT, multimedia database, system interoperability

85 Context-based prefetch – an optimization for implementing objects on relations

Philip A. Bernstein, Shankar Pal, David Shutt

December 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(142.24 KB)   Additional Information: full citation, abstract, index terms

When implementing persistent objects on a relational database, a major performance issue is prefetching data to minimize the number of round-trips to the database. This is especially hard with navigational applications, since future accesses are unpredictable. We propose the use of the context in which an object is loaded as a predictor of future accesses, where a context can be a stored collection of relationships, a query result, or a complex object. When an object O's state is loaded, similar ...

Keywords: Caching, Object-oriented database, Object-relational mapping, Prefetch

86 UTIS (Urban Transportation Information System) a geo-spatial transport database

Adam Etches, David Parker, Sean Ince, Philip James

November 2000 **Proceedings of the 8th ACM international symposium on Advances in geographic information systems GIS '00**

Publisher: ACM Press

Full text available: pdf(677.50 KB)   Additional Information: full citation, abstract, index terms

This paper proposes the design of an extended DBMS as required for integrated management of urban transportation systems. We introduce an extended `lowest common denominator' database model that supports a wide and varied range of urban transport tasks, which include management, simulation and planning. This paper is the result of research being carried out and is formulated by database expertise and transport knowledge. There has been a full analysis of transport data objects and attributes. ...

Keywords: temporal spatial informaton, transport system

87 The implementation and performance of compressed databases

Till Westmann, Donald Kossmann, Sven Helmer, Guido Moerkotte

September 2000 **ACM SIGMOD Record**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: pdf(129.75 KB)   Additional Information: full citation, abstract, citings, index terms

In this paper, we show how compression can be integrated into a relational database system. Specifically, we describe how the storage manager, the query execution engine, and the query optimizer of a database system can be extended to deal with compressed data. Our main result is that compression can significantly improve the response time of queries if very *light-weight* compression techniques are used. We will present such light-weight compression techniques and give the results of runni ...

88 Reflection as a mechanism for software integrity verification

Diomidis Spinellis

February 2000 **ACM Transactions on Information and System Security (TISSEC)**, Volume 3 Issue 1

Publisher: ACM Press
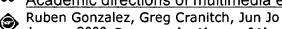
Full text available: pdf(85.99 KB)   Additional Information: full citation, abstract, references, index terms, review

The integrity verification of a device's controlling software is an important aspect of many emerging information appliances. We propose the use of reflection, whereby the software is able to examine its own operation, in conjunction with cryptographic hashes as a basis for developing a suitable software verification protocol. For more demanding applications meta-reflective techniques can be used to thwart attacks based on device emulation strategies. We demonstrate how our approach can be ...

Keywords: cryptographic hash function, embedded device, message digest

89 Academic directions of multimedia education

Ruben Gonzalez, Greg Cranitch, Jun Jo

January 2000 **Communications of the ACM**, Volume 43 Issue 1

Publisher: ACM Press

Full text available: pdf(418.11 KB)
html(33.68 KB)   Additional Information: full citation, references, citings, index terms

90 The transport layer: tutorial and survey

Sami Iren, Paul D. Amer, Phillip T. Conrad

December 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 4

Publisher: ACM Press

Full text available: pdf(261.78 KB)   Additional Information: full citation, abstract, references, citings, index terms

Transport layer protocols provide for end-to-end communication between two or more hosts. This paper presents a tutorial on transport layer concepts and terminology, and a survey of transport layer services and protocols. The transport layer protocol TCP is used as a reference point, and compared and contrasted with nineteen other protocols designed over the past two decades. The service and protocol features of twelve of the most important protocols are summarized in both text and tables.< ...

Keywords: TCP/IP networks, congestion control, flow control, transport protocol, transport service

91 Chorochronos: a research network for spatiotemporal database systems

Andrew Frank, Stephane Grumbach, Ralf Hartmut Güting, Christian S. Jensen, Manolis Koubarakis, Nikos Lorentzos, Yannis Manolopoulos, Enrico Nardelli, Barbara Pernici, Hans-Jörg Schek, Michel Scholl, Timos Sellis, Babis Theodoulidis, Peter Widmayer
September 1999 **ACM SIGMOD Record**, Volume 28 Issue 3
Publisher: ACM Press
Full text available: pdf(1.09 MB)   Additional Information: full citation, citings, index terms

92 Client-server computing in mobile environments
Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid
June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2
Publisher: ACM Press
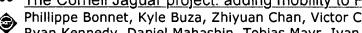
Full text available: pdf(233.31 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile compuing, mobile data, mobility awareness, survey, system application

93 The Cornell Jaguar project: adding mobility to PREDATOR
Phillippe Bonnet, Kyle Buza, Zhiyuan Chan, Victor Cheng, Randolph Chung, Takako Hickey, Ryan Kennedy, Daniel Mahashin, Tobias Mayr, Ivan Oprencak, Praveen Seshadri, Hubert Siu
June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data SIGMOD '99**, Volume 28 Issue 2
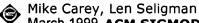**Publisher:** ACM Press
Full text available: pdf(234.71 KB)   Additional Information: full citation, abstract, references, index terms

The Cornell Jaguar Project is exploring a variety of issues related to mobility and query processing. One broad theme is to break down the traditional client and server boundaries, leading to ubiquitous query processing. Another theme is to extend database and query processing techniques to small-scale and mobile devices. The project builds on and extends the Cornell PREDATOR database engine.

Keywords: mobile computing, ubiquitous query processing

94 NSF workshop on industrial/academic cooperation in database systems
Mike Carey, Len Seligman
March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: pdf(1.96 MB)   Additional Information: full citation, index terms

95 Data warehousing in an integrated health system: building the business case
Edward F. Ewen, Carl E. Medsker, Laura E. Dusterhoft
November 1998 **Proceedings of the 1st ACM international workshop on Data warehousing and OLAP DOLAP '98**

Publisher: ACM Press

Full text available: pdf(870.47 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: DSS, IDS, IHS, OLAP, data warehouse, decision support system, healthcare, integrated delivery system, integrated health system, on-line analytical processing

96 Managing performance requirements for information systems

Brian A. Nixon

October 1998 **Proceedings of the 1st international workshop on Software and performance WOSP '98**

Publisher: ACM Press

Full text available: pdf(2.06 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

97 The DataIndex: a structure for smaller, faster data warehouses

Anindya Datta, Igor Viguier

September 1998 **ACM SIGMIS Database**, Volume 29 Issue 4

Publisher: ACM Press

Full text available: pdf(879.98 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

In this paper we present DataIndexes, a family of design strategies for data warehouses to support OnLine Analytical Processing (OLAP). As the name implies, DataIndexes are both a storage structure for the warehoused relational data and an indexing scheme to provide fast access to that data. We present two simple DataIndexes: the Basic DataIndex (BDI), which can be used for any attribute and the Join DataIndex (JDI), which is used for foreign-key attributes. Either structure can be shown to sign ...

98 Database research at Columbia University

Shih-Fu Chang, Luis Gravano, Gail E. Kaiser, Kenneth A. Ross, Salvatore J. Stolfo

September 1998 **ACM SIGMOD Record**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(659.46 KB)   Additional Information: <u>full citation</u>, <u>index terms</u>

99 Efficient distributed backup with delta compression

Randal C. Burns, Darrell D. E. Long

November 1997 **Proceedings of the fifth workshop on I/O in parallel and distributed systems IOPADS '97**

Publisher: ACM Press

Full text available: pdf(1.37 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

100 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: pdf(4.21 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the

execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

Results 81 - 100 of 200   Result page: previous   1   2   3   4   **5**   6   7   8   9   10   next

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

PORTAL
USPTO

Search: ⊙ The ACM Digital Library   ○ The Guide

database integrity compression   **$EARCH**

THE ACM DIGITAL LIBRARY

▮< Feedback Report a problem Satisfaction survey

Terms used: **database integrity compression**   Found **13,615** of **213,097**

Sort results by | publication date 🔽 | ◆ Save results to a Binder   Try an Advanced Search
Display results | expanded form 🔽 | ⓘ Search Tips   Try this search in The ACM Guide
☐ Open results in a new window

Results 61 - 80 of 200   Result page: previous   1   2   3   **4**   5   6   7   8   9   10   next
Best 200 shown   Relevance scale ☐ ◪ ◼ ◼ ◼

61 Database & data management: Digital asset management using a native XML   ◼
◈ database implementation
Shalaka Natu, John Mendonca
October 2003 **Proceedings of the 4th conference on Information technology
curriculum CITC4 '03**
Publisher: ACM Press
Full text available: 📄 pdf(196.63 KB)   Additional Information: full citation, abstract, references, index terms

Digital Asset Management (DAM), the management of digital content so that it can be
cataloged, searched and re-purposed, is extremely challenging for organizations that rely
on image handling and expect to gain business value from these assets. Metadata plays a
crucial role in their management, and XML, with its inherent support for structural
representation, is an ideal technology for this. This paper analyzes the capabilities of a
native XML database solution via the development of a "proof of ...

Keywords: DAM, XML database, digital asset management, digital images

62 Research track: Inverted matrix: efficient discovery of frequent items in large datasets ◼
◈ in the context of interactive mining
Mohammad El-Hajj, Osmar R. Zaïane
August 2003 **Proceedings of the ninth ACM SIGKDD international conference on
Knowledge discovery and data mining KDD '03**
Publisher: ACM Press
Full text available: 📄 pdf(198.31 KB)   Additional Information: full citation, abstract, references, citings, index terms

Existing association rule mining algorithms suffer from many problems when mining
massive transactional datasets. One major problem is the high memory dependency:
either the gigantic data structure built is assumed to fit in main memory, or the recursive
mining process is too voracious in memory resources. Another major impediment is the
repetitive and interactive nature of any knowledge discovery process. To tune
parameters, many runs of the same algorithms are necessary leading to the building ...

Keywords: COFI-tree, association rules, frequent patterns mining, inverted matrix

63   ◼
Watermarking relational data: framework, algorithms and analysis

Rakesh Agrawal, Peter J. Haas, Jerry Kiernan
August 2003 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 12 Issue 2
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(223.17 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>, <u>index terms</u>

Abstract.We enunciate the need for watermarking database relations to deter data piracy, identify the characteristics of relational data that pose unique challenges for watermarking, and delineate desirable properties of a watermarking system for relational data. We then present an effective watermarking technique geared for relational data. This technique ensures that some bit positions of some of the attributes of some of the tuples contain specific values. The specific bit locations and value ...

Keywords: Database, Information hiding, Steganography, Watermarking

64 <u>Tools and techniques for large scale grading using Web-based commercial off-the-shelf software</u>

Robert N. Lass, Christopher D. Cera, Nathaniel T. Bomberger, Bruce Char, Jeffrey L. Popyack, Nira Herrmann, Paul Zoski
June 2003 **ACM SIGCSE Bulletin , Proceedings of the 8th annual conference on Innovation and technology in computer science education ITiCSE '03,** Volume 35 Issue 3
Publisher: ACM Press

Full text available: pdf(363.14 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Courseware/Course Management Systems (CMS) such as WebCT or Blackboard are an increasingly popular way to provide a web presence for a course. However, their current web-browser reliance makes it difficult for them to provide functionality that could be useful to computer science instructors. This paper describes our augmentation of a CMS in a large introductory computer science class. It further describes our enhancement of the CMS by clientside software (i.e. residing on the graders computer), ...

Keywords: Course Management Systems, Courseware, WebCT, electronic pen-based markup, introductory programming, plagiarism detection

65 <u>Data integration and sharing II: Scientific data repositories: designing for a moving target</u>

Etzard Stolte, Christoph von Praun, Gustavo Alonso, Thomas Gross
June 2003 **Proceedings of the 2003 ACM SIGMOD international conference on Management of data SIGMOD '03**
Publisher: ACM Press

Full text available: pdf(739.27 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Managing scientific data warehouses requires constant adaptations to cope with changes in processing algorithms, computing environments, database schemas, and usage patterns. We have faced this challenge in the RHESSI Experimental Data Center (HEDC), a datacenter for the RHESSI NASA spacecraft. In this paper we describe our experience in developing HEDC and discuss in detail the design choices made. To successfully accommodate typical adaptations encountered in scientific data management systems ...

66 <u>An information-theoretic approach to normal forms for relational and XML data</u>

Marcelo Arenas, Leonid Libkin
June 2003 **Proceedings of the twenty-second ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '03**

Publisher: ACM Press

Full text available: pdf(309.44 KB)   Additional Information: full citation, abstract, references, citings, index terms

Normalization as a way of producing good database designs is a well-understood topic. However, the same problem of distinguishing well-designed databases from poorly designed ones arises in other data models, in particular, XML. While in the relational world the criteria for being well-designed are usually very intuitive and clear to state, they become more obscure when one moves to more complex data models. Our goal is to provide a set of tools for testing when a condition on a database design, ...

67 Astrolabe: A robust and scalable technology for distributed system monitoring, management, and data mining
Robbert Van Renesse, Kenneth P. Birman, Werner Vogels
May 2003 **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 2
Publisher: ACM Press

Full text available: pdf(341.62 KB)   Additional Information: full citation, abstract, references, citings, index terms

Scalable management and self-organizational capabilities are emerging as central requirements for a generation of large-scale, highly dynamic, distributed applications. We have developed an entirely new distributed information management system called Astrolabe. Astrolabe collects large-scale system state, permitting rapid updates and providing on-the-fly attribute aggregation. This latter capability permits an application to locate a resource, and also offers a scalable way to track sys ...

Keywords: Aggregation, epidemic protocols, failure detection, gossip, membership, publish-subscribe, scalability

68 New products
Linux Journal Staff
February 2003 **Linux Journal**, Volume 2003 Issue 106
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(7.30 KB)   Additional Information: full citation, index terms

69 Oracle's technology for bioinformatics and future directions
Bruce Blackwell, Siva Ravada
January 2003 **Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19 APBC '03**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(74.48 KB)   Additional Information: full citation, abstract, references, index terms

The Oracle relational database management system, with object-oriented extensions and numerous application-driven enhancements, plays a critical role worldwide in managing the exploding volumes of bioinformatics data. There are many features of the Oracle product which support the bioinformatics community directly already and there are several features that could be exploited more thoroughly by users, service vendors, and Oracle itself to extend that level of support. This paper will present an ...

Keywords: bioinformatics, database, extensibility, oracle

70 Cluster resource management: An integrated experimental environment for distributed systems and networks

Brian White, Jay Lepreau, Leigh Stoller, Robert Ricci, Shashi Guruprasad, Mac Newbold, Mike
Hibler, Chad Barb, Abhijeet Joglekar
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI
Publisher: ACM Press
Full text available: pdf(2.10 MB)   Additional Information: full citation, abstract, references, index terms

> Three experimental environments traditionally support network and distributed systems
> research: network emulators, network simulators, and live networks. The continued use
> of multiple approaches highlights both the value and inadequacy of each. Netbed, a
> descendant of Emulab, provides an experimentation facility that integrates these
> approaches, allowing researchers to configure and access networks composed of
> emulated, simulated, and wide-area nodes and links. Netbed's primary goals are *ease* ...

71 Giggle: a framework for constructing scalable replica location services
Ann Chervenak, Ewa Deelman, Ian Foster, Leanne Guy, Wolfgang Hoschek, Adriana
Iamnitchi, Carl Kesselman, Peter Kunszt, Matei Ripeanu, Bob Schwartzkopf, Heinz
Stockinger, Kurt Stockinger, Brian Tierney
November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing
             Supercomputing '02**
Publisher: IEEE Computer Society Press
Full text available: pdf(277.04 KB)   Additional Information: full citation, abstract, references, citings, index
                                                                              terms

> In wide area computing systems, it is often desirable to create remote read-only copies
> (replicas) of files. Replication can be used to reduce access latency, improve data locality,
> and/or increase robustness, scalability and performance for distributed applications. We
> define a replica location service (RLS) as a system that maintains and provides access to
> information about the physical locations of copies. An RLS typically functions as one
> component of a data grid architecture. This paper mak ...

72 Applications: Achieving interoperability for integration of heterogeneous COTS
geographic information systems
Shengru Tu, Liang Xu, Mahdi Abdelguerfi, Jay J. Ratcliff
November 2002 **Proceedings of the 10th ACM international symposium on Advances in
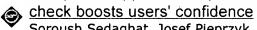   geographic information systems GIS '02**
Publisher: ACM Press
Full text available: pdf(105.88 KB)   Additional Information: full citation, abstract, references, index terms

> Using multiple commercial off-the-shelf (COTS) GIS suites is a common phenomenon,
> because different COTS products often have different strengths in various applications. On
> the other hand, deploying heterogeneous GIS software has the tendency to form
> fragmented data sets and to cause inconsistency. Data consolidation is an effective way to
> preserve data integrity. To accomplish this, we must achieve interoperability between
> different GIS tools. While vector spatial data have the standard databas ...
>
> **Keywords:** COTS-based systems, GIS, J2EE, interoperability, system integration

73 Computer-supported cooperative work in design: On-the-fly web content integrity
check boosts users' confidence
Soroush Sedaghat, Josef Pieprzyk, Ehsan Vossough
November 2002 **Communications of the ACM**, Volume 45 Issue 11
Publisher: ACM Press
Full text available: pdf(182.67 KB)
                    html(25.45 KB)   Additional Information: full citation, abstract, references, index terms

> Malicious attacks on Web servers by intruders and hackers are prime concerns of

organizations, administrators of Web sites, as well as users who access them.

74 Industry perspectives: Toward autonomic computing with DB2 universal database

Sam S. Lightstone, Guy Lohman, Danny Zilio

September 2002 **ACM SIGMOD Record**, Volume 31 Issue 3

Publisher: ACM Press

Full text available: pdf(785.28 KB)   Additional Information: full citation, abstract, references, citings

> As the cost of both hardware and software falls due to technological advancements and economies of scale, the cost of ownership for database applications is increasingly dominated by the cost of people to manage them. Databases are growing rapidly in scale and complexity, while skilled database administrators (DBAs) are becoming rarer and more expensive. This paper describes the self-managing or autonomic technology in IBM's DB2 Universal Database® for UNIX and Windows to illustrate how self ...

75 Watermarking relational databases

Rakesh Agrawal, Jerry Kiernan

August 2002 **Proceedings of the 28th international conference on Very Large Data Bases - Volume 28 VLDB '2002**

Publisher: VLDB Endowment

Full text available: pdf(208.56 KB)   Additional Information: full citation, abstract, references, index terms

> We enunciate the need for watermarking database relations to deter their piracy, identify the unique characteristics of relational data which pose new challenges for watermarking, and provide desirable properties of a watermarking system for relational data. A watermark can be applied to any database relation having attributes which are such that changes in a few of their values do not affect the applications.
>
> We then present an effective watermarking technique geared for relational da ...

76 DTD-directed publishing with attribute translation grammars

Michael Benedikt, Chee Yong Chan, Wenfei Fan, Rajeev Rastogi, Shihui Zheng, Aoying Zhou

August 2002 **Proceedings of the 28th international conference on Very Large Data Bases - Volume 28 VLDB '2002**

Publisher: VLDB Endowment

Full text available: pdf(213.54 KB)   Additional Information: full citation, abstract, references, index terms

> We present a framework for publishing relational data in XML with respect to a fixed DTD. In data exchange on the Web, XML views of relational data are typically required to conform to a predefined DTD. The presence of recursion in a DTD as well as non-determinism makes it challenging to generate DTD-directed, efficient transformations. Our framework provides a language for defining views that are guaranteed to be DTD-conformant, as well as middleware for evaluating these views. It is based o ...

77 First European workshop on XML and knowledge management best papers: Knowledge management and XML: derivation of synthetic views over semi-structured data

Mario Cannataro, Antonella Guzzo, Andrea Pugliese

April 2002 **ACM SIGAPP Applied Computing Review**, Volume 10 Issue 1

Publisher: ACM Press

Full text available: pdf(126.01 KB)   Additional Information: full citation, abstract, references, citings, index terms

> One of the effects of the expansion of the World Wide Web is the production of a huge amount of data, differentiated for type, available to a large number of different users. Furthermore, the constant progress of computer hardware technology in the past three

decades has led to the availability of powerful computers, data collection equipments, and storage media; this technology provides a great boost to the database and information industry by allowing transaction management, informa ...

Keywords: XML, data synthesization, lossy compression

78 Database and digital library technologies: DANA (Digital Archive Network for Anthropology): a model for digital archiving
Jeffrey T. Clark, Brian M. Slator, Aaron Bergstrom, Francis Larson, Richard Frovarp, James E. Landrum, William Perrizo, William Jockheck
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing SAC '02**
Publisher: ACM Press
Full text available: pdf(571.92 KB)   Additional Information: full citation, abstract, index terms

This is a report of work on an internet-based digital library called the Digital Archive Network for Anthropology (DANA). DANA provides a model for a generalized method for implementing digital archives. This federation of databases will link researchers, students, and the general public to distributed databases that include realistic, accurate, three-dimensional (3D), visual representations of artifacts, fossils, and other objects, along with 2D digitized documents (e.g., maps, plan views, exca ...

Keywords: Digital Archive Network

79 Data collections and MM: 3D MURALE: multimedia database system architecture
Edward Grabczewski, John Cosmas, Peter Van Santen, Damian Green, Takebumi Itagaki, Fred Weimer
November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage VAST '01**
Publisher: ACM Press
Full text available: pdf(169.47 KB)   Additional Information: full citation, abstract, references, index terms

Archaeological databases are required to store a wide range of data about archaeological objects. Multimedia, spatial and temporal requirements are placing new demands on these databases. Virtual models of archaeological sites require new storage and search facilities, including searching of 3D graphics for virtual and physical restoration of archaeological finds. We examine the architecture, design philosophy and proposed implementation of the 3D MURALE multimedia database, which will be used b ...

Keywords: archaeology, multimedia Databases, photogrammetry, virtual Reality

80 Managing periodically updated data in relational databases: a stochastic modeling approach
Avigdor Gal, Jonathan Eckstein
November 2001 **Journal of the ACM (JACM)**, Volume 48 Issue 6
Publisher: ACM Press
Full text available: pdf(466.73 KB)   Additional Information: full citation, abstract, references, citings, index terms

Recent trends in information management involve the periodic transcription of data onto secondary devices in a networked environment, and the proper scheduling of these transcriptions is critical for efficient data management. To assist in the scheduling process, we are interested in modeling *data obsolescence*, that is, the reduction of consistency over time between a relation and its replica. The modeling is based on techniques from the field of stochastic processes, and provides several ...

Keywords: Data obsolescence, database replication management, obsolescence cost, stochastic modeling